

Amendments to the Abstract

Please delete the presently-filed Abstract.

Please add a new Abstract as follows:

An all-lag correlator is provided that correlates a received spread-spectrum signal with a reference code and produces at each sampling instance N correlation lags corresponding to the correlation of the received signal with 0, 1, ..., N-1 lags (or delays) of the reference code, wherein N is the length of the reference code. The correlator includes a spread spectrum signal storage means, subtraction means, multiplication means, correlation lag storage means and addition means configured such that a correlation lag for a present sampling instance is based on a correlation lag of a previous sampling instance.

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